

Notice of Allowability

Application No.

10/656,293

Examiner

Thuan N. Du

Applicant(s)

LEE, CHUN-LIANG

Art Unit

2116

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on June 16, 2006 and telephone interview on August 11, 2006.
2. ☒ The allowed claim(s) is/are 1-10.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>20060811</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with John R. Schaefer, Reg. No. 47,921 on August 11, 2006.

2. The application has been amended as follows:

In the claim: Please amend claim 1 as follow:

1. In a control box including at least one power supply and a control module having a power on management procedure and a power consumption estimation procedure, a method of managing power of the control box which, when powered on, causes the control module to perform the steps of:

- (a) running the power on management procedure to set a power on mode of each of a plurality of blade servers installed in the control box;
- (b) measuring power consumed by the blade servers running in the power on mode;
- (c) measuring power of the power supply;
- (d) running the power consumption estimation procedure to determine whether the power of the power supply is larger than the power consumed by the blade servers, and

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(e) determining whether a subsequent action should be continued by the control module based on the estimation;

wherein

the power consumption of each blade server in a full speed mode is S_1, S_2, \dots , or S_n ,

the power consumption of each blade server in the standby mode is S_1', S_2', \dots , or S_n' ,

the number of each of the blade servers in the control box is M_1, M_2, \dots , or M_n ,

the number of each of the blade servers in the full speed mode is m_1, m_2, \dots , or m_n ,

the number of each of the blade servers in the standby mode is $M_1 - m_1, M_2 - m_2, \dots$, or

$M_n - m_n$,

the number of the power supply is C_1 ,

the number of the backup power supply is C_2 ,

the power of each of the power supply is P_1 ,

the power of each of the backup power supply is P_2 , and

the power consumption of the control module is E after the control box has finished the power on so that an equation approximately calculating the power consumption in the power on is:

$$(P_1 \times C_1 + P_2 \times C_2) \geq (S_1 \times m_1) + (S_1' \times (M_1 - m_1)) + (S_2 \times m_2) + (S_2' \times (M_2 - m_2)) \\ + (S_3 \times m_3) + (S_3' \times (M_3 - m_3)) \dots + (S_n \times m_n) + (S_n' \times (M_n - m_n)) + E.$$

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thuan N. Du whose telephone number is (571) 272-3673. The examiner can normally be reached on Monday-Friday: 9:30 AM - 8:00 PM, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynne H. Browne can be reached on (571) 272-3670.

Central TC telephone number is (571) 272-2100.

The fax number for the organization is (571) 273-8300.

4. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll free).

Thuan N. Du
August 11, 2006



THUAN N. DU
PRIMARY EXAMINER